Dräger medical
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PRODUCT BULLETIN

Product(s):	Fabius GS and Fabius Tiro
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Subject: Fabius GS SW Version 2.06 & Fabius Tiro SW Version 2.10A

This bulletin describes the changes included in software 2.06 for the Fabius GS, and 2.10a for the Fabius Tiro. The changes described below are included in BOTH sw 2.06 and 2.10a.

Production Effectivity & Field Install Plan

Software version 2.06 is the new production software for Fabius GS beginning March 17, 2004.
Software 2.06 will be installed on Fabius GS 2.x systems at customer request, next service, or next Periodic Manufacturer's Service.

Software version 2.10a is the new production software for the Fabius Tiro beginning April 1, 2004
Software 2.10a will be installed on Fabius Tiro customer systems at customer request, next service, or next Periodic Manufacturer's Service.

General Overview

The following improvements are included in both sw 2.06 for Fabius GS and sw 2.10a for Tiro

1. Correction for Membrane Pressure High error
   - Piston "Membrane Pressure High" posted in Service Log with possibility to cause a VENT FAIL alarm during mechanical ventilation.
   - The software is now changed to be less sensitive to transient changes in piston membrane pressure.

2. Correction for piston encoder error
   - Under specific conditions, it was possible to falsely detect a piston encoder failure during power-up diagnostics. The piston was functioning properly; however an encoder error was incorrectly posted to the Service Log and would appear to the user as a VENT FAIL alarm. The VENT FAIL would only occur when transitioning from Standby to any vent mode after completion of power-up diagnostics.
   - The software is now changed to eliminate false detection of the encoder errors, thus eliminating the VENT FAIL alarm under the conditions described above.

3. Clearing of PEEP HIGH alarm
    - Under specific conditions, a PEEP HIGH alarm posted during Man/Spont mode would mistakenly remain on screen when changing to a mechanical ventilation mode.
    - The software is changed to always clear this alarm when changing to mechanical ventilation.

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